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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/588,141	06/12/2007	Reinhold Meier	13806/2	3864
26646 KENYON & K	7590 12/21/201 ENYON LLP	EXAMINER		
ONE BROADV	VAY	WHITE, DWAYNE J		
NEW YORK, NY 10004			ART UNIT	PAPER NUMBER
			3745	
			MAIL DATE	DELIVERY MODE
			12/21/2010	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)			
	10/588,141	MEIER, REINHOLD			
Office Action Summary	Examiner	Art Unit			
	DWAYNE J. WHITE	3745			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim will apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).			
Status					
 1) Responsive to communication(s) filed on 31 Ju 2a) This action is FINAL. 2b) This 3) Since this application is in condition for allowar closed in accordance with the practice under E 	action is non-final. nce except for formal matters, pro				
Disposition of Claims					
4) ☐ Claim(s) 1-21 is/are pending in the application. 4a) Of the above claim(s) is/are withdray 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-21 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or	vn from consideration.				
Application Papers					
9) ☐ The specification is objected to by the Examine 10) ☑ The drawing(s) filed on 31 July 2006 is/are: a) Applicant may not request that any objection to the of Replacement drawing sheet(s) including the correction 11) ☐ The oath or declaration is objected to by the Ex	☑ accepted or b)☐ objected to be drawing(s) be held in abeyance. See on is required if the drawing(s) is obj	e 37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.					
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08)	4) ☐ Interview Summary Paper No(s)/Mail Da 5) ☐ Notice of Informal P	ate			
Paper No(s)/Mail Date <u>7/31/06</u> .	6) Other:				

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DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 10-15 and 18-20 are rejected under 35 U.S.C. 102(b) as being anticipated by Khalid (EP 0716218 A1). Khalid discloses a sealing device for sealing a gap between a rotor and a stator in a gas turbine engine, comprising: a honeycomb seal 24 including a plurality of honeycomb seal cells 28 assigned to the stator, the honeycomb seal cells separated from one another by walls; wherein at least the walls of the honeycomb seal cells that extend transversely to a direction of rotation of the rotor are arranged radially at a slant in the direction of rotation of the rotor (See Figure 3). The Examiner notes that the limitation of claim 12 reciting an aircraft engine is intended use and therefore carries little patentable weight. The sealing device seals between an outer end of a rotor blade and a fixed housing. The Examiner also notes that since the cells are slant in the direction of the blade rotation (Column 2, line 54 to column 3, line 3) the edges of the walls that face the rotor are offset from the edges of the walls in the direction of rotation of the blade. It can be seen in figure 5, that the walls extend in a straight line.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

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(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 16, 17 and 21 are rejected under 35 U.S.C. 103(a) as being unpatentable over Khalid in view of Hoffman et al. (4,477,089). Khalid discloses all of the claimed subject matter as set forth in the above 102(b) except for the edges of the walls being curved or arched.

Hoffman et al. teaches a honeycomb seal structure wherein the walls of the honeycomb are curved/arched (See Figure 7) to provide a more versatile honeycomb structure. Since both Khalid and Hoffman et al. discloses honeycomb seals for gas turbine engines, it would have been obvious at the time the invention was made to one of ordinary skill in the art to modify the honeycomb structure of Khalid, with the teaches of Hoffman et al., by providing curved edges to the honeycomb structure for the purpose of providing a more versatile honeycomb seal.

CONCLUSION

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to DWAYNE J. WHITE whose telephone number is (571)272-4825. The examiner can normally be reached on 7:00 am to 3:30 pm M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward Look can be reached on (571) 272-4820. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Dwayne J White/ Examiner, Art Unit 3745

DJW